

Page 1 of 1

All amounts are calculated in domestic currency.

[illegible]



Castle Metals®

A. M. Castle & Co.

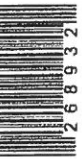
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:3346886

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 02-AUG-17	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier MANITOU LIN	BOL No 3346886-2

Shipment Details	Final Destination Branch - TOR
-------------------------	---------------------------------------

Order No 4840563	Line No 1	Item No 5881	Description 0.7500.RD.17CR-4NI.STAINLESS.CF.H1150.132.0000-156.0000 SPECIFICATIONS: AMS 5643 Email P/s and certs to: clavoie@dartaero.com		
Purchase Order No 37241	Part Number		Ordered Qty 12.00 FT	Invoice Qty 12.0833 FT	
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS					
Delivery No. 121209167	Mill VALBRUNA CORPORATION	Heat Number 	Mech Id 1	PCS	Width (IN) 145.0000
					Length (IN) 18.1492
					Shipped Qty(LBS)

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

SHIPPED AUG 02 2017

Date:

Name: *cl. Ramdin*



Date Printed: 02-AUG-2017 04:05:19 PM

STRAIGHT BILL OF LADING - SHORT FORM - ORIGINAL - NOT NEGOTIABLE RECEIVED. Subject to the classification and tariffs in effect on the date of issue of this Bill of Lading The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff this is a motor carrier shipment.		Shipper No.: 3346886-2 FROM AT: A. M. Castle & Co. 2150 ARGENTIA ROAD MISSISSAUGA ON L5N 2K7 CAN
Consigned To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY ON K6A 1K7 CAN		Delivery instructions: ALL LOADS MUST BE TARPED. DELIVER PACKING LIST AND TEST REPORTS OR CONSIGNEE WILL REFUSE.
Carrier Name: MANITOULIN		Payment Terms: Prepaid REMIT FREIGHT INVOICES TO: RayTrans Management, Inc. PO Box 1210 Washington PA 15301
		Additional Insurance Coverage: The agreed or declare value for the property is hereby specifically stated by the shipper to be not exceeding: _____ per _____

Shipment Breakdown:

Quantity	Packaging	Class	Commodity
1	BUNDLE	FAK_50	Metal Product

Shipment Weights:

Product	18 LBS
Dunnage	0 LBS
Gross	18 LBS

ORDER DETAIL:

Customer PO	Sales Order No.	Line No.	Castle Item No.	Quantity Shipped	Castle UOM
37241	4840563	1	5881	18	LBS
Subject to Section 7 of Conditions of applicable bill of Lading. If this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statements. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.			If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE: Where the rate is dependent on value, the shippers are required to state specifically in writing the agreed or declared value of the property.		
THIS SHIPMENT IS TO BE TENDER RECEIVED AND TO BE CARRIED SUBJECT TO ALL TERMS AND CONDITIONS OF THE STEAMSHIP COMPANIES CURRENT FORM BILL OF LADING			The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding		
THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.			Customer is responsible for all shipping documents and compliance with United States and Canadian laws, including but not limited to U.S. and Canadian Export laws and regulations.		

Shipper No.: 3346886-2

SHIPPER, PER:

insert creator's name
Per

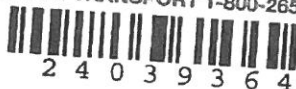
Date
Driver's Signature
PROOF OF DELIVERY:

Signature / Date
Name

Please Print Name Here
All pages must be signed

Page 1 of 1

MANITOULIN TRANSPORT 1-800-265-1485



TEST REPORT
 ENVELOPE
 MUST SHIP
 WITH MATERIAL



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37241**

Purchase Order Date 7/27/2017

PO Print Date 7/27/2017

Page Number 1 of 2

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174PH-H1150R0.750	17-4PH SS Round Bar H1150 0.75" dia.	7/27/2017 Yes 7/27/2017 Aug 3-4	FN	12.00	\$25.35	\$304.20

David D.

2	71401-45	Procurement Quality Clauses	7/27/2017 Yes 7/27/2017 Aug 3-4		1.00	\$0.00	\$0.00
---	----------	--------------------------------	---------------------------------------	--	------	--------	--------

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

SPN-8-8

Line Total: \$0.00

Note:

7/27/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37241**

Purchase Order Date 7/27/2017

PO Print Date 7/27/2017

Page Number 2 of 2

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

PO Total:

\$304.20

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 7/27/2017

Diane Baker

From: Linda Lacelle
Sent: Thursday, July 27, 2017 12:00 PM
To: Diane Baker
Cc: David Duval
Subject: FW: 17-4 H1150
Attachments: 20170727115017.pdf

Can you please order : M174PH-H1150R0.750 - 12'

Merci

L

-----Original Message-----

From: Desbiens, Marc [mailto:mdesbien@amcastle.com]
Sent: Thursday, July 27, 2017 11:52 AM
To: Linda Lacelle <llacelle@dartaero.com>
Cc: Diane Baker <dbaker@dartaero.com>
Subject: FW: 17-4 H1150

Hi Linda,

12' x 17-4 PH - H1150 round bar .750

\$ 25.35 Ft 8-9 days (mill cert attached)

Thanks

Marc Desbiens
Inside sales representative
Castle Metals, Montreal, QC
Direct line 514-795-8176
1-800-806-6660 ext 52226
Fax # 1-855-892-6370
Customized Supply Chain Solutions for Your Metal Needs

From: Linda Lacelle [mailto:llacelle@dartaero.com]
Sent: Thursday, July 27, 2017 7:45 AM
To: Desbiens, Marc
Cc: David Duval; Diane Baker

Subject: FW: 17-4 H1150

Hi Marc,

Can you please advise P & D on 12' x 17-4 PH - H1150 round bar .750 ?

Thx

L

From: David Duval

Sent: Wednesday, July 26, 2017 3:44 PM

To: Linda Lacelle <llacelle@dartaero.com>

Subject: 17-4 H1150

Hi,

I had Kim to enter the p/n M174PH-H1150R0.750.

Could we order some material as soon as possible please (12 feet) Thanks.

DAVID DUVAL

Production Engineering Supervisor

DART AEROSPACE

T 1 613 632-5200 > 234

F 1 613 632-5246

1 800 556- 4166

www.dartaerospace.com

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Acciaierie Valbruna S.p.A.

PO 375722 / IAC 5881

38100 VICENZA (Italia) - Viale delle Scienze, 25 z.i.
Telefono 0444.988211 - Fax 0444.983838
Stab.: 38100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004) , 3.1

Certificato nr. MEST874047 / 2016 /

Cliente / destinatario / Purchaser / Client
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled - Aged Peeled
Lieferzustand: Delivery state: Hot rolled
Etat de livraison: Hot rolled

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**
Hersteller / Usine producer

Ordine nr. 48937 375722 CASTLE
Bestell- / Your order / Commande

Tipo di Elaborazione: E+AOD
Erweiterungsort / Working process / Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Unternehmens / Trade marks / Signes de l'usine productrice

Conferma ordine nr. E116002999
Werk-/Our Order/Ref. nr.

Qualità: T-530 H1150 #5881
Vorteile/Qualitätsklasse

Funzione del Collaudatore:
Kompetenz des Werk-/nachverarbeitenden / Inspector's duty/Fonction de l'inspecteur

Avviso di Spedizione: D-VI16012858
Lieferempfang/Packing list/L.

Marcas: V174/H
Markenbezeichnung / Brand / Marques

Funzionatura: 630
Markierung / Marking / Marquage

Melted and manufactured in Italy	No welding or weld repair	Material free from Mercury contamination
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.		
QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2008, ISO/TS16949 : 2009, AS 9100C		
<p>The Quality Management System is Certified acc. Pressure Equipment Directive '97/23/EC' Annex 1, 4.3 by TÜV and LLOYD'S</p> <p>Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.</p> <p>Maxwell and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.</p> <p>The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser, Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.</p>		

Castle Metals

HEAT NUMBER 268932
MECHANICAL ID _____
ITEM CODE 5881
LOT NUMBER _____
PO NUMBER 375722
RECEIPT DATE 8-11-16
SUPPLIER Valbruna
SPECIFICATION _____
LCS _____
COMMENT _____
APPROVED [Signature]

Vicenza, 23/05/16

VC0009

(Mod. MCEZ)

collaudatore di stabilimento / der Werk-/nachverarbeitenden / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 3 di 3



Acciaierie Valbruna S.p.A.

PO 375722 JAC5881

38100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.988211 - Fax 0444.983838
Stab.: 38100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1

Certificato nr. MEST874047 / 2016 /

Cliente / Besetzer/Kunden/Clien
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled - Aged Peeled
Lieferzustand: Reeled/Polished
Delivery state: Reeled/Polished
Etat de livraison:

Produttore:
Hersteller/Hersteller/Produkteur
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 48637 375722 CASTLE
Bestell-Nr: 48637 375722 CASTLE
Commande:

Tipo di Elaborazione: E+AO
Erzählungsart: E+AO
Milling process: E+AO
Mode d'élaboration:

Marchi di Fabbrica:
Zeichen des Herstellers
Trade marks
Signes de l'usine productrice



Conferma ordine nr: EI16002999
Werk-/Our Order/Off. nr:

Qualità: T-630 H1150 #5881
Vormat/Qualität/Qualité:

Punzione del Collaudatore:
Stempel des Werks nachweisenden
Inspector's stamp/Plaque de l'essayeur

MR

Avviso di Spedizione: D-VI16012858
Lieferzustand/Speditionsschein:

Marca: V174/1
Markenbezeichnung
Brand / Marque

Punzonatura: 630
Kennzeichnung
Marking
Marquage

3) Leistungsdaten/Leistungs-Technische Daten, DeTechnische Daten										
TEST	Provenza / Herkunft Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller Lieferant/Hersteller	°F	°C	Resistenza Kerbrückigkeit Impact Value Ausbruch KV Joule	Espansione laterale Lateral expansion Lateral ex lateral			Shear Shear Shear		
Velocità di Anlieferung/Anlieferung Delivery rate	min	30	30	30	-	-	-	-	-	-
B	10X10	68	L	120	133	136	1,256	1,236	1,241	-

Mechanical properties according to ASTM A370.
Delta Ferrite according to AMS 2315.

Analisi chimica Chemische Zusammensetzung/Chemical Analysis/Analyse chimique										
Colata / Abfall Schmelze/Abfall	min	max	15,00	17,00	0,00	0,00	0,00	0,00	0,00	0,00
288932	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	Ta %
	0,041	0,37	0,51	15,58	0,16	3,35	4,73	0,025	0,025	0,0013
Colata / Abfall Schmelze/Abfall	min	max	0,100	0,100	-	-	-	-	-	-
288932	Cb(Nb)%	Nb%+Ta%	-	-	-	-	-	-	-	-
	0,264	0,265	-	-	-	-	-	-	-	-

Macro etch test : satisfactory.
Reduction ratio = 103,2 : 1
Material solution annealed 1904°F for 1 h,
air cooled to below 90°F.
Age-hardened 1160°F for 4 h, air cooled to below 90°F
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die perichten Anforderungen sind erfüllt, Anlage erfüllt
The material has been furnished in accordance with the requirements
La materia è stata fornita in conformità con le esigenze

Controllo antiriscaldamento: OK
Vermeidung von Überhitzung: durch 100%
Anwendung: keine Überhitzung
Controllo antiriscaldamento: OK

Controllo visivo e dimensionale: soddisfa le esigenze
Baugruppe und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Controllo visivo e dimensionale: soddisfa le esigenze

Vicenza, 23/05/16

VCO000

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkseinsichtsbeauftragte / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 3



Acciaierie Valbruna S.p.A.

38100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.986211 - Fax 0444.986838
Stab.: 38100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924487

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: EN 10204 (2004), 3.1

Certificato nr. MEST674047 / 2016 /
Prüfung/Testschein

Cliente / Besondere/Käufer/Klient
VALBRUNA STAINLESS INC.
2400 TAYLOR STREET WEST
46801 - FORT WAYNE, IN 46801 - US

Stato di fornitura: Hot rolled - Aged Peeled
Lieferzustand: Lieferzustand
Delivery state: Lieferzustand
Etat de livraison

Produttore:
Hersteller/Hersteller/Hersteller
ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: 48637 375722 CASTLE
Bestell:
Your order:
Commande:

Tipo di Elaborazione: E+AOD
Erstellungszustand:
Manufacturing process:
Mode d'élaboration:

Marchi di Fabbrica:
Zeichen des Unternehmens:
Trade marks:
Signes de l'usine productrice:



Conferma ordine nr: EI16002999
Vertraue Order/Bestell nr:

Qualità: T-830 H1150 #5881
Vorteils/Qualitätsklasse:

Punzone del Collaudatore:
Stempel des Werkstoffverständigen:
Inspector's stamp/Prüfung des Inspekteur:

MR

Avviso di Spedizione: D-VI16012856
Lieferungs/Fracht-Befehl:

Marcia: V174/1
Markenbezeichnung:
Brand / Name:

Punzonatura: 630
Kettenschriftung:
Marking:
Marquage:

SPECIFICHE: Note: *PO 375722 - JAC 5881*

Anforderungen / Requirements / Edigeren: Aufzeichnungen / Notes / Notes

3174-04 38 630 H1150 AGED
AISI 830
AMS 2303 F
AMS 5643 T S17400 H1150
ASME SA564 2013 S17400 H1150 (0)
ASTM A564 2013 S17400 H1150

(0)SECTION II PT.A 2013 EDITION

Tolleranze: ASTM A484-15 TABLE 7							
Tolerances/Abweichungen/Toleranzen							
Pos. nr. Pos. Nr. Pos. Nr. / Pos. Nr.	Oggetto Baugruppe Component Composant	Dimensioni - in Abmessungen Dimensions Dimensions	Lunghezza - in Länge Length Longueur	Colore Farbe Color Couleur	Pezzi Stückzahl Pieces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lose, Lot-Nr. Lot no. Lot no.
0010	Round	0,7500	144/ 148	268832		1.717	529908820

TEST ALLO STATO DI FORNITURA										
Test on delivery condition / Prüfung auf lieferbarem Produkt / Test a l'état de fourniture / Prueba sobre el material así como entregado										
1) Lieferzustand, Transitzustand, O-Temperaturzustand										
TEST	Profil / Profil Profil / Profil Profil / Profil	°F	Profil / Profil Profil / Profil Profil / Profil	Snervamento Snervamento Snervamento	Snervamento Snervamento Snervamento	Resistenza Resistenza Resistenza	Alungamento Alungamento Alungamento	Strizione Strizione Strizione	Resistenza Resistenza Resistenza	Durezza Durezza Durezza
				Rp 0,2% Rp 0,2% Rp 0,2%		Rm Rm Rm	E 4d E 4d E 4d	RA RA RA		HB
Valori richiesti Anforderungen/Requisits Values requises		min max		106	-	135	-	16	50	277 352
A	12,5	68 L		137		147		15	63	333

Test On Delivering Condition			
Test on delivery condition / Prüfung auf lieferbarem Produkt / Test a l'état de fourniture / Prueba sobre el material así como entregado			
TEST		min	max
A	HRC	28.0	32.4

TEST ALLO STATO DI FORNITURA			
Test on delivery condition / Prüfung auf lieferbarem Produkt / Test a l'état de fourniture / Prueba sobre el material así como entregado			
TEST		min	max
A	Delta Ferrite		5,0
A	RATINGS FREQUENCY		1,10
A	RATINGS SEVERITY		1,05